

STATE OF MISSOURI  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



**MISSOURI STATE OPERATING PERMIT**

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92<sup>nd</sup> Congress) as amended,

Permit No. MO-0108618

Owner: George's Processing Inc.  
Address: PO Drawer G, Springdale, AR 72764

Continuing Authority: Same as above  
Address: Same as above

Facility Name: George's Processing, Inc.  
Facility Address: PO Box 1454, Cassville, MO 65625

Legal Description: See page 2

Receiving Stream: See page 2  
First Classified Stream and ID: See page 2  
USGS Basin & Sub-watershed No.: See page 2

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

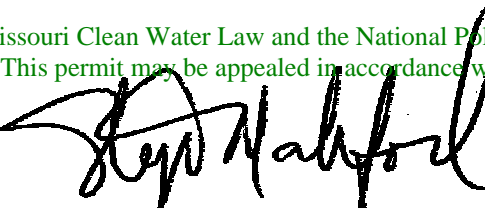
**FACILITY DESCRIPTION**

See page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

April 19, 2002  
Effective Date

April 18, 2007  
Expiration Date  
MO 780-0041 (10-93)

  
\_\_\_\_\_  
Stephen M. Mahford, Director, Department of Natural Resources  
Executive Secretary, Clean Water Commission

\_\_\_\_\_  
Interim Director of Staff, Clean Water Commission

FACILITY DESCRIPTION (continued)

Outfall #001 - Poultry Processing Plant - SIC #2015

Lagoon system

Surface discharges from these systems will be only on an emergency basis as defined in the effluent limitations and monitoring requirements of this permit.

Pretreatment by screening/DAF/aerated and/or anaerobic lagoon/spray irrigation.

Design flow is 2.8 MGD.

Actual flow is 2.0 MGD.

Legal Description: NW ¼, SE ¼, Sec. 35, T24N, R28W, Barry County

Receiving Stream: Tributary to Pogue Creek (U)

First Classified Stream and ID: Pogue Creek (C)(03232)

USGS Basin & Sub-watershed No.: (11070207-020001)

Outfall #002 - Poultry Processing Plant - SIC #2015

Irrigation site

Legal Description: E ½, E ½, Sec. 34; all Sec. 35, T24N, R28W, Barry County

Receiving Stream: Tributary to Pogue Creek (U)

First Classified Stream and ID: Pogue Creek (C)(03232)

USGS Basin & Sub-watershed No.: (11070207-020001)

Outfall #003 - Poultry Processing Plant - SIC #2015

Irrigation site

Legal Description: N ½; SW ¼; NE ½, SE ¼; Sec. 2

E ½, NE ¼; NE ¼, SE ¼; Sec. 3

E ½, NE ¼; Sec. 10

W ½, NW ¼; NE ¼, NW ¼; W ½, NW ¼, NE ¼; Sec. 11

All in T23N, R28W, Barry County

Receiving Stream: Tributary to Pogue Creek (U)

First Classified Stream and ID: Pogue Creek (C)(03232)

USGS Basin & Sub-watershed No.: (11070207-020001)

Outfalls #004, #005, #006 & #007 - Deleted due to change in property boundaries

Outfall #008 - Poultry Processing Plant - SIC #2015

Upstream stormwater monitoring of Pogue Creek as water enters George's, Inc. property

Legal Description: NE ¼, SE ¼, Sec. 2, T23N, R28W, Barry County

Receiving Stream: Tributary to Pogue Creek (U)

First Classified Stream and ID: Pogue Creek (C)(03232)

USGS Basin & Sub-watershed No.: (11070207-020001)

Outfall #009 - Poultry Processing Plant - SIC #2015

Stormwater runoff monitoring as stormwater leaves George's, Inc. property

Legal Description: SE ¼, SE ¼, Sec. 34, T24N, R28W, Barry County

Receiving Stream: Tributary to Pogue Creek (U)

First Classified Stream and ID: Pogue Creek (C)(03232)

USGS Basin & Sub-watershed No.: (11070207-020001)

Outfall #010 - Poultry Processing Plant - SIC #2015

Stormwater runoff monitoring as stormwater leaves George's, Inc. property

Legal Description: NW ¼, NW ¼, Sec. 11, T23N, R28W, Barry County

Receiving Stream: Tributary to Woodward Creek (U)

First Classified Stream and ID: Shoal Creek #2 (P)(03232)

USGS Basin & Sub-watershed No.: (11070207-020001)

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>					PAGE NUMBER 3 of 6	
					PERMIT NUMBER MO-0108618	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001 - (Note 1)</u>						
Flow	MGD	*		*	once/day**	24 hr. estimate
Biochemical Oxygen Demand <sub>5</sub>	mg/L		15	10	once/month**	grab
Total Suspended Solids	mg/L		20	15	once/month**	grab
pH - Units	SU	***		***	once/month**	grab
<u>Outfalls #002 &amp; #003 - Land Application System - Drainage ditch leaving the property (Note 2)</u>						
Flow	MGD	*			once/day**	24 hr. estimate
Biochemical Oxygen Demand <sub>5</sub>	mg/L	*			once/month**	grab
Total Suspended Solids	mg/L	*			once/month**	grab
pH - Units	SU	***		***	once/month**	grab
Lagoon Freeboard	feet	*			once/month	measured
Irrigation Period	hours	*			daily	total
Volume Irrigated	gallons	*			daily	total
Application Area	acres	*			daily	total
Application Rate	inches/ acre	*			daily	total
Rainfall	inches	*			daily	total
<u>Wastewater From Processing Plant (including sanitary)</u>						
Flow	MGD		2.8		once/day	24 hr. total
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>July 28, 2002</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
<b>B. STANDARD CONDITIONS</b>						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

<b>A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>	PAGE NUMBER 4 of 6
--	--------------------

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Wastewater Irrigation Water</u>						
Total Nitrogen as N	mg/L	Note 3			once/week	grab
Nitrate/Nitrogen as N	mg/L	Note 3			once/week	grab
Ammonia Nitrogen as N	mg/L	Note 3			once/week	grab
Oil & Grease	mg/L	Note 3			once/week	grab
Total Suspended Solids	mg/L	Note 3			once/week	grab
Biochemical Oxygen Demand <sub>5</sub>	mg/L	Note 3			once/week	grab
Total Phosphorus	mg/L	*			once/week	grab
<u>Irrigation Site Monitoring Wells</u> (Outfall #002-Wells 1-9,11,21-26) (Outfall #003-Wells 12-15,19,20, 27-35)						
Nitrate/Nitrogen as N	mg/L	10			once/month	grab
Total Ammonia as N	mg/L		*	*	once/month	grab
Chemical Oxygen Demand	mg/L		*	*	once/month	grab
Static Water Level	feet		*	*	once/month	grab
<u>Dillbeck Spring</u> located in NW ¼, SW ¼, Sec. 33, T24N, R28W, Barry County						
Nitrate/Nitrogen as N	mg/L		*	*	once/month	grab
Total Ammonia as N	mg/L		*	*	once/month	grab
Chemical Oxygen Demand	mg/L		*	*	once/month	grab
<u>Outfalls #008, #009 &amp; #010 -</u> Stormwater (entering & leaving land application fields) (Note 4)						
Flow	MGD		*	*	once/month	24 hr. estimate
Nitrate/Nitrogen as N	mg/L		*	*	once/month	grab
Total Ammonia as N	mg/L		*	*	once/month	grab

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE July 28, 2002. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

## B. STANDARD CONDITIONS

IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Part I STANDARD CONDITIONS DATED October 1, 1980, AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- \* Monitoring requirement only.
- \*\* Monitor only when discharge occurs.
- \*\*\* pH is measured in pH units and is not to be averaged. The pH is to be maintained at or above 6.0 pH units.

Note 1 - There shall be no discharge of wastewater during normal operation. An overflow from the storage basin may occur as a result of a rainfall event in excess of 6.0 inches in a 48 hour period.

Note 2 - There shall be no discharge during normal land application operation. Any runoff from the land application site resulting from wastewater application must be sampled.

Note 3 - While limitations are not applied to the wastewater being land applied the following guidelines are recommended: Total nitrogen 50 mg/L, with an annual application of less than 450 pounds per acre of nitrogen as N; Oil & Grease 100 mg/L; Total Suspended Solids 500 mg/L; and Biochemical Oxygen Demand 800 mg/L. Monthly application rates for nitrogen shall be adjusted so that plant available nitrogen does not exceed the crop uptake rates for nitrogen. Nitrogen application rates during the non-growing season (winter months) shall be reduced in proportion to crop growth reduction. In an effort to maintain the above recommended levels, the Department also recommends that the permittee conduct operational efficiency test of each unit process in the pretreatment facility.

Note 4 - Samples shall be collected within the first 30 minutes after the start of stormwater runoff from the irrigation sites.

C. SPECIAL CONDITIONS

1. Land application records shall be maintained and summarized into an annual operating report which shall be submitted January 28 of the following year. This report shall be signed by the owner or operating authority. The report shall contain but not be limited to the following:
  - (1) record of maintenance and repairs performed during the year;
  - (2) average number of times per month the facility is checked to see if it is operating properly;
  - (3) the number of days the lagoon has discharged during the year, the discharge flow the reasons discharge occurred and effluent analysis performed;
  - (4) description of any unusual operating conditions encountered during the year; and
  - (5) a summary of the irrigation operations including lagoon freeboard at the start and end of the irrigation season, the number of days of irrigation for each month, the total gallons irrigated, the total acres used, crop yield removed, the application rate in inches/acre/month, total pounds nitrogen/acre/month, plant available nitrogen/acre/year, and the total precipitation received at the facility; and
  - (6) Soil tests shall be conducted in accordance with UMC guide sheet 9110, How to get a good soil sample, on at least 5 sites from random locations within the application field. Analysis will be for the parameters identified in the guide sheet.
2. Wastewater shall not be applied to the irrigation field during periods of time when the soil is frozen or temperatures are such that applied wastewater will freeze on the surface.
3. No wastewater shall be land applied within 24 hours after a 0.5 inch or larger rainfall event if the soil is saturated so that runoff will occur.

C. SPECIAL CONDITIONS (continued)

4. This permit may be reopened and monitoring requirements, limits, and conditions may be modified if the Department finds that such changes are required to protect the waters of the state, or if changes and/or improvements to the company poultry processing equipment and/or operation warrant such modifications.
5. Groundwater Monitoring Plan
  - (a) George's Processing, Inc. Must provide adequate groundwater monitoring at the land application sites in accordance with the Division of Geology and Land Survey recommendations.
6. All outfalls must be clearly marked in the field.
7. Report as no-discharge when a discharge does not occur during the report period.
8. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
  - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
  - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
  - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
  - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
  - (e) There shall be no significant human health hazard from incidental contact with the water;
  - (f) There shall be no acute toxicity to livestock or wildlife watering;
  - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
  - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.